

better permeation of liquid and better diffusion, and to prevent uneven coloring due to insufficient flow of the liquid when the defective portion on then color filter is removed by irradiation of the laser beam, dropping a corrective ink to upper surface of the circular correcting region by an ink jet unit so that the ink is formed in spherical shape after the circular correcting region has been removed, and hardening and shrinking the corrective ink by an ink hardener thereafter so that variation of film thickness in the circular correcting region can be controlled within 0.1 μm .

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cont.
The invention according to another aspect provides a method for correcting defects on a color filter, said method comprising the step of setting a diameter of a laser beam on a circular correcting region including defective portion when the defective portion on the color filter is removed by irradiation of the laser beam, and depositing a metal film of more than 1000 angstrom in thickness by laser CVD method on the circular correcting region after the circular correcting region has been removed so that back light can be completely shielded.

According to the present invention, it is possible to easily correct all of protruding defects, white defects and black defects caused in the process for manufacturing the color filter, and also to extensively improve the percentage of high quality products. Further, according to an aspect of the invention, ink can be dropped by selecting ink color depending on the defective region by the ink jet unit. For example, in case the correcting